● Features

- Controller supports two readers.
- Controller can control 2 independent doors or a single door.
- Use RS-232 or RS-485 to connect a single controller to a PC.
- Up to 16 controllers can be connected using a RS-485 network to a PC.
- Up to 32 independent doors can be controlled.
- The system supports 2000 tags.
- Each controller stores last 2000 transactions with date & time stamp in non-volatile memory. All transactions - including denied access, pushbutton and alarm conditions are logged.
- Optional Door Switch allows use of 4 timers to solve complex locking problems.
- Optional Exit Push Button for each door.
- Access control is achieved by assigning a user an Access Parameter.
- There are 2 predefined and 8 user defined Access Parameters. User defined parameters consist of 5 time zones for each day of week +holiday during which

● Statement

The system is based on a controller that supports two Secure Card readers which can be mounted up to 50 meters from the controller with a simple 3-wire connection. The controller can be configured to operate a single door or two independent doors.

The controller has a RS-232 connection allowing single controller systems a simple means of connecting to a PC provided the cable run is less than 30 meters. The controller also has a RS-485 connection that will support up to 16 controllers connected in a RS-485 network to a PC thus allowing the control of up to 32 doors.

In this configuration the PC will require a 311 RS-232/485 Interface/Repeater to

Free Software !!

The software is required for all programming of the system, downloading transaction sand printing Reports.

655-20
Controller

656-20-1
Secure Mini Reader
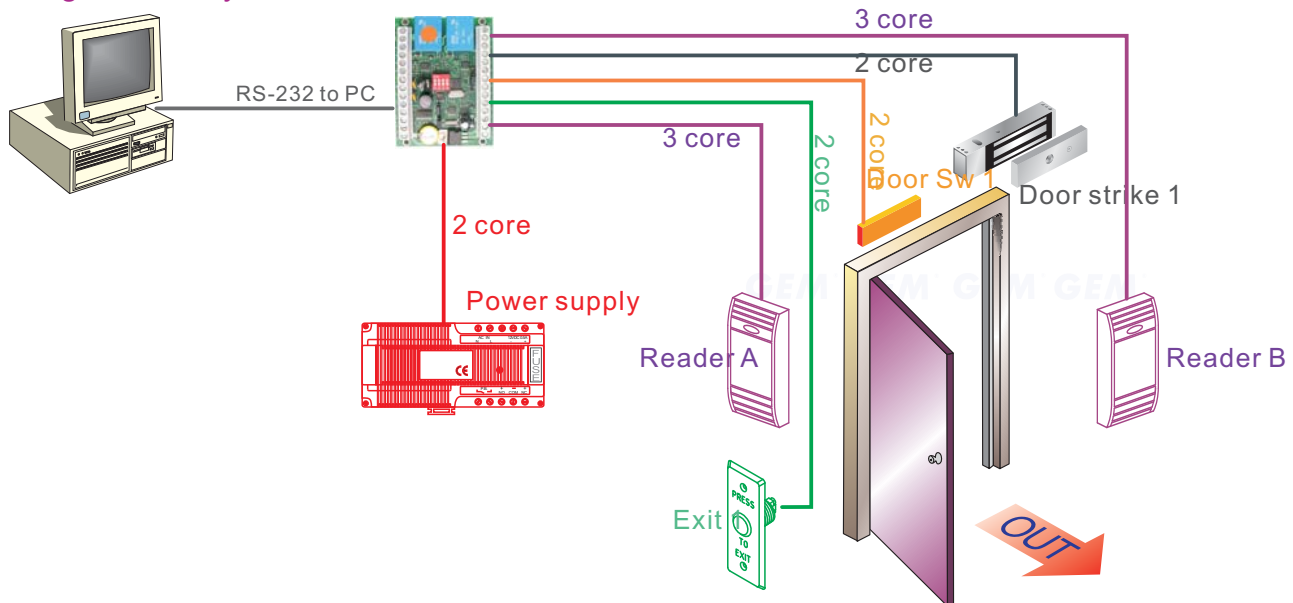
311-30
RS-485 to RS-232 convertor

657-20-1
ANSI-sized Reader

RoHS Compliant   CE

GIANNI INDUSTRIES, INC.

The products are manufactured under an ISO 9001 & QC 080000 Certified Quality Management Program environment back its product quality, performance and commitment to customer satisfaction.
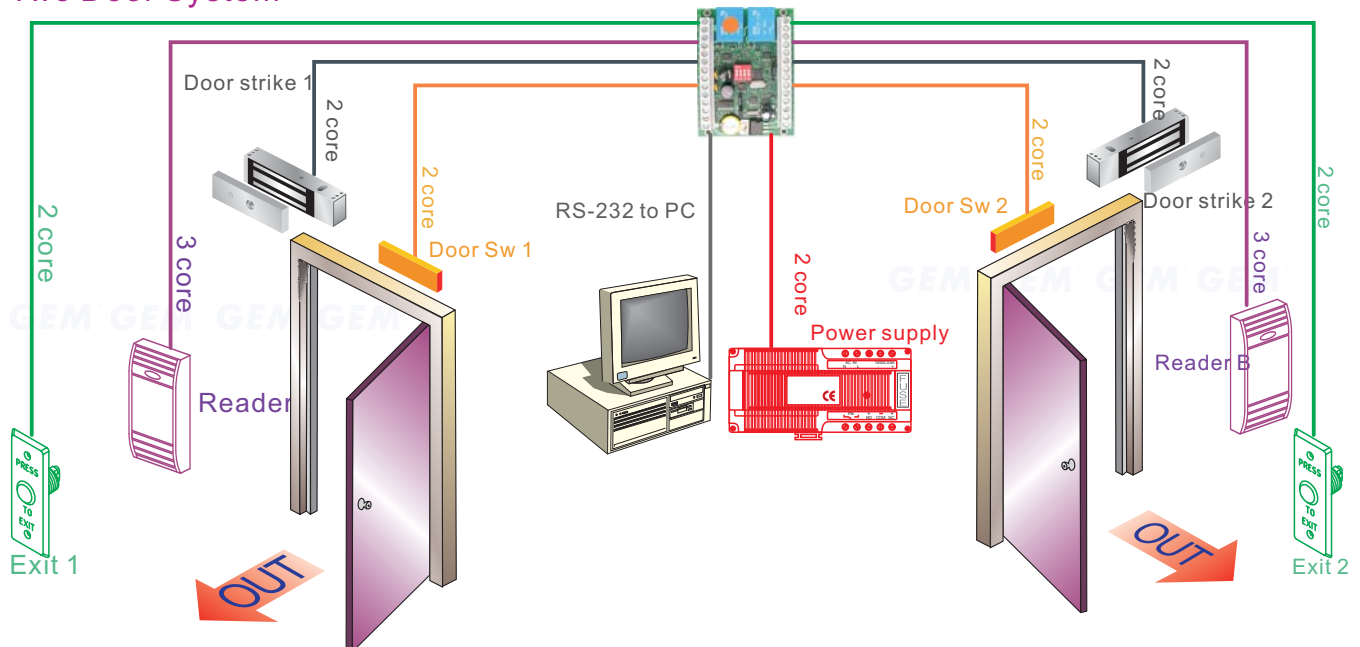
Application

The KeyProx Plus controller has both a RS-232 and a RS-485 interface.
Use the RS-232 interface for simple installation having a single controller and where
the distance between the controller and the PC is less than 30 meters. The drawings
below show typical RS-232 installations. RS-232 connection to PC - max 30m

Single Door System

RS-232 to PC

3 core

2 core

3 core

2 core

2 core

2 core

Door Sw 1

Door strike 1

2 core

Power supply

Reader A

Reader B

Exit

OUT

Two Door System

Door strike 1

2 core

3 core

2 core

2 core

Door Sw 1

RS-232 to PC

2 core

Power supply

2 core

Door Sw 2

Door strike 2

2 core

2 core

3 core

Reader A

Reader B

Exit 1

Exit 2

OUT

OUT

Gianni supplies all accessories for access control application
including maglock, electric bolt lock, electric strike ,exit button,
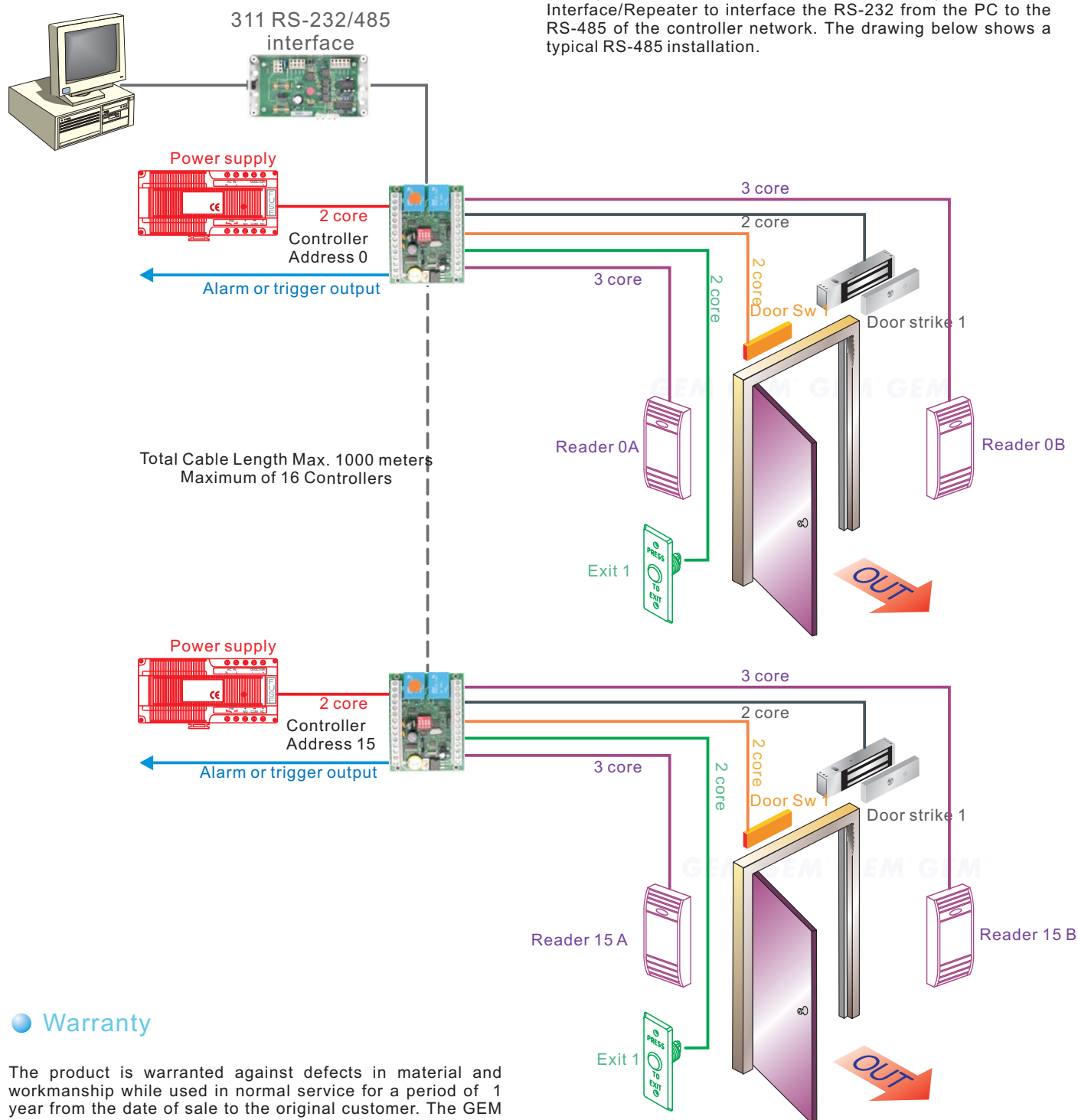power supply, prox cards or fobs.

RoHS Compliant C€

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Management Program environment back its
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Multi-Controller System

RS-485 must be used where the distance between the controller and the PC is greater than 30 meters or for installations of multiple controllers. The PC will require a 311 Interface/Repeater to interface the RS-232 from the PC to the RS-485 of the controller network. The drawing below shows a typical RS-485 installation.

311 RS-232/485 interface

Power supply

2 core

Controller Address 0

Alarm or trigger output

3 core
2 core
2 core
Door Sw 1
Door strike 1
3 core
2 core
Reader 0A
Reader 0B
Exit 1
OUT

Total Cable Length Max. 1000 meters
Maximum of 16 Controllers

Power supply

2 core

Controller Address 15

Alarm or trigger output

3 core
2 core
2 core
Door Sw 1
Door strike 1
3 core
2 core
Reader 15 A
Reader 15 B
Exit 1
OUT

● Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.

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